

Publications 1999

(alphabetically ordered by first author)

- 1 POLAK, Matjaz, PLAVEC, Janez. Multinuclear NMR study of the conformational changes in MepdG and dGpMe upon interaction with Mg(2+), Zn(2+) and Hg(2+) ions reveals the strengthening of the anomeric effect by soft M(2+) ions. *Eur. J. Inorg. Chem.* 1999, vol. 2, 547-555. [COBISS-ID 1753114]
- 2 POLAK, Matjaz, PLAVEC, Janez, TRIFONOVA, Ana, FÖLDESI, Andras, CHATTOPADHYAYA, Jyoti. The change in the electronic character upon cisplatin binding to guanine nucleotide is transmitted to drive the conformation of the local sugar-phosphate backbone : a quantitative study. *J. Chem Soc. Perkin Trans. I* 1999, no. 19, 2835-2843. [COBISS-ID 1955098]
- 3 VITAS, Marko, SMITH, Kelvin E, PLAVEC, Janez, KESSELMEIER, Juergen, PAJIC, Tadej, FERLAN, Andrej, ZIGON, Dusan, KELLY, Steven L, KOMEL, Radovan. Induction of steroidal hydroxylase activity by plant defence compounds in the filamentous fungus *Cochliobolus lunatus*. *Chemosphere (Oxford)* 1999, vol. 38, no. 4, 853-863. [COBISS-ID 9522649]
- 4 VIKIC-TOPIC, Drazen, NOVAK, Predrag, MEIC, Zlatko, PLAVEC, Janez, KOVACEK, Damir. Intrinsic long range deuterium isotope effects on ¹³C NMR chemical shifts as a conformational probe of benzene derivatives. *Croat. Chem. Acta* 1999, vol. 72, no. 4, 967-974. [COBISS-ID 2032666]
- 5 KRALJ CIGIC, Irena, PLAVEC, Janez, ZUPANCIC-KRALJ, Lucija. Determination of the geometrical isomers of ethyl 2,4-decadienoate. *J. Chromatogr. A* 1999, vol. 847, 359-364. [COBISS-ID 21153285]
- 6 POLAK, Matjaz, PLAVEC, Janez. NMR study of the tuning of North=South equilibrium in nucleos(t)ides by metal ion interactions. *Nucleosides Nucleotides* 1999, vol. 18, no. 4/5, 1109-1112. [COBISS-ID 1909530]
- 7 PRHAVC, Marija, PLAVEC, Janez, KOBE, Joze, LEBAN, Ivan, GIESTER, Gerald. Synthesis of a novel pyrazolo[1,5-c]pyrimidine C-nucleoside and conformational analysis by NMR spectroscopy. *Nucleosides Nucleotides* 1999, vol. 18, no. 11/12, 2601-2611. [COBISS-ID 1970202]
- 8 SKOF, Marko, SVETE, Jurij, STANOVNIK, Branko, GOLIC-GRDADOLNIK, Simona. Reactions of 5-substituted(S)-1-acyl-3-[(E)-(dimethylamino)-methylidene]pyrrolidine-2-ones and (S)-3-[(E)-(dimethylamino) methylidene]tetrahydrofuran-2-ones with amines, Preparation of intermediates in the ring switching synthesis of heteroarylalanine- and heteroaryllactic acid derivatives and their analogs. *Acta Chim. Slov.* 1999, vol. 46, no. 4, 567-586. [COBISS-ID 21635333]
- 9 TOPLAK, Renata, SVETE, Jurij, GOLIC-GRDADOLNIK, Simona, STANOVNIK, Branko. Methyl (Z)-2-[(benzyloxycarbonyl)amino]-3-dimethylaminopropenoate in the synthesis of heterocyclic systems. Synthesis of (benzyloxycarbonyl) amino substituted fused pyrimidinones. *Collect. Czech. Chem. Commun.* 1999, vol. 64, no. 2, 177-189. [COBISS-ID 20460037]

- 10 SKOF, Marko, SVETE, Jurij, KMETIC, Matej, GOLIC-GRDADOLNIK, Simona, STANOVNIK, Branko Stereoselective amination of 5-substituted [gama]-lactones and [gama]-lactams, A convenient route for the preparation of 5-substituted (3S,5S)-3-acetylaminotetrahydrofuran-2-ones and (3S, 5S)-3- acetylaminopyrrolidin-2-ones. *Eur. J. Org. Chem.* 1999, no. 7, 1581-1584. [COBISS-ID 21251077]
- 11 TOPLAK, Renata, SVETE, Jurij, STANOVNIK, Branko, GOLIC- GRDADOLNIK, Simona. The synthesis of methyl 2-(benzyloxycarbonyl)amino- 3-dimethylaminopropenoate. The synthesis of trisubstituted pyrroles, 3-amino-2H-pyran-2-ones, fused 2H-pyran-2-ones and 4H-pyridin-4-ones. *J. Heterocycl. Chem.* 1999, vol. 36, no. 225, 225-235. [COBISS-ID 20460293]
- 12 PRISTOVSEK, Primož, KIDRIC, Jurka. Solution structure of polymyxins B and E and effect of binding to lipopolysaccharide : and NMR and molecular modeling study. *J. Med. Chem.* 1999, vol. 42, no. 22, 4604-4613. [COBISS-ID 2006298]
- 13 JERALA, Roman, ZEROVNIK, Eva. Accessing the global minimum conformation of stefin A dimer by annealing under partially denaturing conditions. *J. Mol. Biol.* 1999, vol. 291, no. 5, 1079-1089. [COBISS-ID 1945114]
- 14 MAJERLE, Andreja, KIDRIC, Jurka, JERALA, Roman. Expression and refolding of functional fragments of the human lipopolysaccharide receptor CD14 in *Escherichia coli* and *Pichia pastoris*. *Protein Expr. Purif.* 1999, vol. 17, 96-104. [COBISS-ID 1967130]
- 15 ZEROVNIK, Eva, VIRDEN, Richard, JERALA, Roman, KROON-ZITKO, Louise, TURK, Vito, WALTHO, Jonathan P. Difference in the effects of TFE on the folding pathways of human stefins A and B. *Proteins* 1999, vol. 36, 205-216. [COBISS-ID 14377767]
- 16 BRECL, Marko, ZIGON, Majda. Hard segmented side chain liquid crystal polyurethanes with azobenzene mesogenic moieties. *Polymer (Guildf.)* 1999, vol. 40, 6529-6538. [COBISS-ID 1948954]
- 17 BRECL, Marko, ZIGON, Majda, MALAVASIC, Tatjana. Mezomorfne lastnosti 4-[[omega]-[bis(2-hidroksietil)amino]-alkoksi]-4'- metoksiazobenzenov = Mesomorphic properties of 4-[[omega]-[bis(2- hydroxyethyl)amino]-alkoxy]-4'-methoxyazobenzenes. *Kovine zlit. tehnol.* 1999, vol. 33, no. 1/2, 91-95. [COBISS-ID 139946]
- 18 KRZAN, Andrej. Poly(ethylene terephthalate) glycolysis under microwave irradiation *Polym. Adv. Technol.* 1999, vol. 10, no. 10, 603-606. [COBISS-ID 1995034]
- 19 MAV, Ida, ZIGON, Majda, SEBENIK, Anton. Sulfonated polyaniline. *Synth. Met.* 1999, vol. 101, 717-718. [COBISS-ID 1937434]
- 20 MAV, Ida, ZIGON, Majda, SEBENIK, Anton. Sinteza in karakterizacija sulfoniranega polianilina = Synthesis and characterization of sulfonated polyaniline. *Kovine Zlit. Tehnol.* 1999, vol. 33, no. 1/2, 87-90. [COBISS-ID 139690]
- 21 MIRCEVA, Aneta, ZIGON, Majda. Sinteza stranskoveriznih tekoekristaliničnih poliuretanov z elektrostatskimi interakcijami = Synthesis of side-chain liquid crystalline polyurethanes via electrostatic interactions. *Kovine Zlit. Tehnol.* 1999, vol. 33, no. 3-4, 201-204. [COBISS-ID 156330]
- 22 KLUN, Ursa, ZIGON, Majda. Akrilatna veziva keramičnih materialov = Acrylic binders for use in ceramic materials. *Kovine Zlit. Tehnol.* 1999, vol. 33, no. 1/2, 145-148. [COBISS-ID 141994]
- 23 ZAGAR, Ema, ZIGON, Majda. Dilute solution behaviour of hexamethylene diisocyanate-based carboxylated polyurethanes and related ionomers in tetrahydrofuran. *Polymer (Guildf.)* 1999, vol. 40, no. 10, 2727-2735. [COBISS-ID 1726234]

- 24 REPIC-LAMPRET, Barbka, KIDRIC, Jurka, KRALJ, Bogdan, VITALE, Ljubinka, POKORNY, Miroslav, RENKO, Metka. Lapstatin, a new aminopeptidase inhibitor produced by *Streptomyces rimosus*, inhibits autogenous aminopeptidases. *Arch. Microbiol.* 1999, vol. 171, 397-404. [COBISS-ID 14240807]
- 25 KOJIC-PRODIC, Biserka, ANTOLIC, Snjezana, KVEDER, Marina, ZIGROVIC, Ivanka, KIDRIC, Jurka, HORVAT, Stefica. Conformational studies in solid state and solution of protected C-terminal dipeptide fragment (Boc-Phe-Pro-NH₂) of morphiceptin. *Croat. Chem. Acta* 1999, vol. 72, no. 2/3, 259-277. [COBISS-ID 1972506]
- 26 MOHAR, Barbara, KOBE, Joze. Chiral synthons for carba-[beta]-D-ribonucleosides. Synthesis of carba- 4-deoxypurazofurin and isomeric carba-4-deaza-oxoformycin analogues. *Nucleosides Nucleotides* 1999, vol. 18, no. 3, 443-465. [COBISS-ID 1759258]
- 27 STIMAC, Anton, LEBAN, Ivan, KOBE, Joze. An efficient stereospecific method for the synthesis of 8-aza- 3-deazaguanine nucleosides from glycosyl azides. *Synlett* 1999, no. 07, 1069-1073. [COBISS-ID 1904922]
- 28 SEGEDIN, Primož, LAH, Nina, ZEFRAN, Mojca, LEBAN, Ivan, GOLIC, Ljubo. Synthesis and characterization of bis(carboxylato)zinc(II)(C₆- C₈)-crystal structure of bis(hexanoato) zinc(II), Zn(O₂CC₅H₁₁)₂-form A^{sup}. *Acta Chim. Slov.* 1999, vol. 46, no. 2, 173-184. [COBISS-ID 20949765]
- 29 BREZNIK, Matej, HRAST, Valentina, MRCINA, Alenka, KIKELJ, Danijel. Stereoselective synthesis of (R)- and (S)-2-methyl-3-oxo-3,4-dihydro-2H-1, 4-benzoxazine-2-carboxylic acids, -carboxylates and -carboxamides. *Tetrahedron: Asymmetry* 1999, vol. 10, 153-167. [COBISS-ID 439665]
- 30 SENTJURC, Marjeta, PECAR, Slavko, STOJAN, Jure, MARCHOT, Pascale, RADIC, Zoran, GRUBIC, Zoran. Electron paramagnetic resonance reveals altered topography of the active center gorge of acetylcholinesterase after binding of fasciculin to the peripheral site *Biochim. Biophys. Acta, Prot. Struct. Mol. Enzymol.* 1999, vol. 1429, 349-358. [COBISS-ID484465]
- 31 GOMBAC, Katja, SENTJURC, Marjeta, AHLIN, Pegi, PECAR, Slavko, KRISTL, Julijana. Oblikovanje trdnih lipidnih nanodelcev in proučevanje interakcij z modelno membrano = Solid nanoparticles design and investigation of interactions with model membrane. *Farm. Vestn.* 1999, vol. 50, no. 3, 417-424. [COBISS-ID 588657]
- 32 KRISTL, Albin, PECAR, Slavko, KMETEC, Vojko. Are calculated log P values for some guanine derivatives by different computer programs reliable? *Int. J. Pharm.* 1999, vol. 181, no. 2, 219-226. [COBISS-ID 504177]
- 33 OCHI, Chizuru, NORISADA, Nobuyoshi, MORIGUCHI, Miho, URLEB, Uros, STALC, Anton, MURAOKA, Shizuko. Interleukin-10 inducing activity of LK423, a phthalimido-desmuramyldipeptide compound. *Arzneim.-Forsch.* 1999, vol. 49, no. 1, 72-79. [COBISS-ID 437361]
- 34 MORIGUCHI, Miho, URABE, Kazunori, NORISADA, Nobuyoshi, OCHI, Chizuru, STALC, Anton, URLEB, Uros, MURAOKA, Shizuko. Therapeutic effects of LK 423, a phthalimido-desmuramyl-dipeptide compound, on dextran sulfate sodium-induced colitis in rodents through restoring their interleukin-10 capacity = Therapeutische Wirkungen des Phthalimido-desmuramyldipeptid-Derivats LK423 auf die Dextransulfat- Natrium-induzierte Kolitis bei Nagetieren durch Wiederherstellung ihrer Fähigkeit zur Interleukin-10-Produktion. *Arzneim.-Forsch.* 1999, vol. 49, no. 2, 184-192. [COBISS-ID 475505]

- 35 KOROSEC, Bostjan, DRINOVEC, Joze, MRHAR, Ales, URLEB, Uros. Pljucnica domacega okolja - od bolnika do druzbe = Community acquired pneumonia from patient to community. *Farm. Vestn.* 1999, vol. 50, no. 1, 7-12. [COBISS-ID 483441]
- 36 KREFT, Katjusa, KOZAMERNIK, Barbara, URLEB, Uros. Qualitative determination of polyvinylpyrrolidone type by near-infrared spectrometry. *Int. J. Pharm.* 1999, vol. 177, no. 1, 1-6. [COBISS-ID 422769]
- 37 VRECER, Mateja, TUSAR, Livija, TUSAR, Marjan, WERTHEIMER, Albert I., MRHAR, Ales, URLEB, Uros. Modeling the cost-effectiveness of duodenal ulcer treatment with lansoprazole and ranitidine. *J. Res. Pharm. Econ.* 1999, vol. 9, no. 4, 43-61. [COBISS-ID 575089]
- 38 MOLJ, Jelka, IVANUSA, Marjan, DRINOVEC, Joze, MRHAR, Ales, URLEB, Uros. Pharmacoeconomic evaluation of ulcer disease treatment in Slovenia = Farmakoekonomska ocena zdravljenja ulkusne bolezni v Sloveniji. *Zdr. Vestn.* 1999, vol. 68, no. 3, 151-156. [COBISS-ID 470641]
- 39 RUDOLF, Martina, KRBAVCIC, Ales, FRANKIC, Darja. Izdaja in poznavanje "in vitro" diagnosticnih sredstev za nosečnost v republiki Sloveniji = Dispensing and knowledge about in vitro diagnostic devices for pregnancy in republic of Slovenia. *Farm. Vestn.* 1999, vol. 50, no. 4, 461-469. [COBISS-ID 605041]
- 40 BRUS KOVAC, Boza, KRBAVCIC, Ales. Obvezilni in sanitetni material ter problematika z vidika njegove kakovosti = Surgical dressings and problems regarding their quality. *Farm. Vestn.* 1999, vol. 50, no. 4, 471-488. [COBISS-ID 605297]
- 41 JUKIC, Lucija, COPAR, Anton, MALESIC, Mateja, KRBAVCIC, Ales, SVETE, Jurij, STANOVNIK, Branko. Attempts to prepare some 3-substituted azolo[1,2-x]azines, intermediates in the synthesis of azaaplysinopsin derivatives. *J. Heterocycl. Chem.* 1999, vol. 36, no. 5, 1147-1150. [COBISS-ID 597873]
- 42 KIKELJ, Danijel. Novi inhibitorji HMG-CoA-reduktaze = Novel inhibitors of HMG-CoA reductase. V: PRIMOZIC, Stanislav (ur.). Simpozij slovenskega farmacevtskega drustva ob njegovi 24. skupscini : farmacevtska intervencija: novosti v farmakoterapiji bolezni srca in ozilja : Portoroz, 13.-15. maj 1999. *Farm. Vest.* vol. 50, posebna st. Ljubljana: Slovensko Farmacevtsko Drustvo, 1999, 111-115. [COBISS-ID 493425]
- 43 KIKELJ, Danijel. Novi inhibitorji angiotenzinske konvertaze in antagonisti angiotenzina II = Novel ACE inhibitors and angiotensin II receptor antagonists. V: PRIMOZIC, Stanislav (ur.). Simpozij slovenskega farmacevtskega drustva ob njegovi 24. skupscini : farmacevtska intervencija: novosti v farmakoterapiji bolezni srca in ozilja : Portoroz, 13.-15. maj 1999. *Farm. Vest.* vol. 50, posebna st. Ljubljana: Slovensko Farmacevtsko Drustvo, 1999, 117-123. [COBISS-ID 493681]
- 44 ZEGA, Anamarija, OBREZA, Ales, URLEB, Uros. Inhibitorji faktorja Xa = Factor Xa inhibitors. *Farm. Vest.* 1999, vol. 50, no. 1, 53-57. [COBISS-ID 486001]
- 45 GOBEC, Stanislav, URLEB, Uros. Inhibitorji biosinteze peptidoglikana = Peptidoglycan biosynthesis inhibitors. *Farm. Vest.* 1999, vol. 50, no. 2, 183-193. [COBISS-ID 523633]
- 46 NARYMBETOV, Bakhyt, KOBAYASHI, Hayao, TOKUMOTO, Madoka, OMERZU, Ales, MIHAILOVIC, Dragan. Low temperature structural analysis of a TDAE-C60 crystal. *Chem. Commun. (Lond., 1996)* 1999, 1511-1512. [COBISS-ID 14459175]
- 47 DEMSAR, Jure, PODOBNIK, Bostjan, EVETTS, J. E., WAGNER, G., MIHAILOVIC, Dragan.

- Evidence for crossover from a Bose-Einstein condensate to a BCS-like superconductor with doping in YBa₂Cu₃O(7- δ) from quasiparticle relaxation dynamics experiments. *Europhys. Lett.* 1999, vol. 45, 381-386. [COBISS-ID 13756455]
- 48 ARCON, Denis, BLINC, Robert, MIHAILOVIC, Dragan, OMERZU, Ales, CEVC, Pavel. Singlet-triplet energy gap in the non-ferromagnetic (α') modification of TDAE-C60. *Europhys. Lett.* 1999, vol. 46, 667-670. [COBISS-ID 14248999]
- 49 POKHODNIA, K. I., PAPAVALASSILIOU, J., UMEK, Polona, OMERZU, Ales, MIHAILOVIC, Dragan. A structural and infrared study of the charge states of tetrakis(dimethylamino)ethylene (TDAE) in TDAE-C60 and (TDAE)(Cl)₂. *J. Chem. Phys.*, 1999, vol. 110, 3606-3611. [COBISS-ID 13899815]
- 50 JAGLICIC, Zvonko, LUZNIK, Janko, PIRNAT, Janez, TRONTELJ, Zvonko, OMERZU, Ales, MIHAILOVIC, Dragan. Magnetism in some charge donor - C60 compounds : SQUID measurements and model studies. *J. Magn. Mater.*, 1999, vol. 196-197, 576-577. [COBISS-ID 14160679]
- 51 MRZEL, Ales, MERTELJ, Alenka, OMERZU, Ales, COPIC, Martin, MIHAILOVIC, Dragan. Investigation of encapsulation and solvatochromism of fullerenes in binary solvent mixtures. *J. Phys. Chem., B Condens. Mater. Surf. Interfaces Biophys.*, 1999, vol. 103, 11256- 11260. [COBISS-ID 14669351]
- 52 MIHAILOVIC, Dragan, DEMSAR, Jure, PODOBNIK, Bostjan, KABANOV, Viktor V., EVETTS, J. E., WAGNER, G. A., MECHIN, L. Quasiparticle dynamics from the Bose-Einstein condensation to the BCS-like regions of the phase diagram in YBa₂Cu₃O(7- δ). *J. Supercond.*, 1999, vol. 12, 33-36. [COBISS-ID 13840935]
- 53 MIHAILOVIC, Dragan, MRZEL, Ales, OMERZU, Ales, UMEK, Polona, JAGLICIC, Zvonko, TRONTELJ, Zvonko. Ferromagnetism below 19 K due to unpaired spins on fullerene molecules. *Mol. Cryst. Liq. Cryst. Sci. Technol., A Mol. Cryst. Liq. Cryst.*, 1999, vol. 334, 415- 424. [COBISS-ID 14565159]
- 54 JAGLICIC, Zvonko, LUZNIK, Janko, PIRNAT, Janez, TRONTELJ, Zvonko, MIHAILOVIC, Dragan, MRZEL, Ales, OMERZU, Ales. Ferromagnetic behaviour of TDAE-C60 samples studied with a SQUID magnetometer. *Mol. Cryst. Liq. Cryst. Sci. Technol., A Mol. Cryst. Liq. Cryst.*, 1999, vol. 334, 469-475. [COBISS-ID 9268825]
- 55 DEMSAR, Jure, BILJAKOVIC, K., MIHAILOVIC, Dragan. Single particle and collective excitations in the one-dimensional charge density wave solid K(0.3)MoO(3) probed in real time by femtosecond spectroscopy. *Phys. Rev. Lett.*, 1999, vol.83, 800-802. [COBISS-ID 14247207]
- 56 KABANOV, Viktor V., DEMSAR, Jure, PODOBNIK, Bostjan, MIHAILOVIC, Dragan. Quasiparticle relaxation dynamics in superconductors with different gap structures: theory and experiments on YBa₂Cu₃O(7- δ). *Phys. Rev., B, Condens. Matter Mater. Phys.*, 1999, vol. 59, 1497-1506. [COBISS-ID 13692711]
- 57 MIHAILOVIC, Dragan, KABANOV V., ZAGAR, K., DEMSAR, Jure. Distinct charge and spin gaps in underdoped YBa₂Cu₃O(7-d) from analysis of NMR, neutron scattering, tunneling, and quasiparticle relaxation experiments. *Phys. Rev., B, Condens. Matter Mater. Phys.*, 1999, vol. 60, R6995- R6997. [COBISS-ID 14329127]

- 58 KABANOV, Viktor, DEMSAR, Jure, MIHAILOVIC, Dragan. Carrier-relaxation dynamics in intragap states : the case of the superconductor $\text{YBa}_2\text{Cu}_3\text{O}(7-\delta)$ and the charge-density-wave semiconductor $\text{K}(0.3)\text{MoC}(3)$. *Phys. Rev., B, Condens. Matter. Mater. Phys.*, 1999, vol. 61, 1477-1482. [COBISS-ID 14668583]
- 59 TOKUMOTO, M., TSUBAKI, Y., POKHODNYA, K., OMERZU, Ales, UCHIDA, T., MIHAILOVIC, Dragan. Direct observation of spontaneous magnetization in TDAE-C60. *Synth. Met.*, 1999, vol. 103, 2316-2317. [COBISS-ID 14414375]
- 60 MRZEL, Ales, PODOBNIK, Bostjan, HASSANIEN, A., MIHAILOVIC, Dragan, OZAWA, M. Highly luminescent fullerene derivative. *Synth. Met.*, 1999, vol. 103, 2437-2438. [COBISS-ID 14842663]